

Title (en)

Brake disc protected from oxidation

Title (de)

Oxydationsgeschützte Bremsscheibe

Title (fr)

Disque de frein protégé de l'oxydation

Publication

EP 1275871 B1 20050914 (DE)

Application

EP 02012288 A 20020605

Priority

DE 10134059 A 20010713

Abstract (en)

[origin: EP1275871A2] Brake disk protected from oxidation is made of fiber-reinforced ceramic material. One layer made of a high temperature-resistant lacquer (9) is in a semifluid state at the operating temperature of the brake disk. Independent claims are also included for the use of a high temperature-resistant lacquer for a brake disk, and for a process for producing the above brake disk. Preferred Features: The glass transition temperature of the lacquer lies above about 400 degrees C and the lacquer is temperature resistant up to about 1200 degrees C. The lacquer is based on a magnesium/borosilicate compound. The lacquer additionally contains color pigments which change color above a specific temperature. The friction surfaces (4) and the contact surfaces (10,11) of the brake disk are not covered by the lacquer.

IPC 1-7

F16D 65/12; **C04B 35/573**; **C04B 41/00**

IPC 8 full level

C04B 41/50 (2006.01); **C04B 41/52** (2006.01); **C04B 41/86** (2006.01); **C04B 41/89** (2006.01); **F16D 65/00** (2006.01); **F16D 65/12** (2006.01); **F16D 69/02** (2006.01)

CPC (source: EP US)

C04B 41/009 (2013.01 - EP US); **C04B 41/5022** (2013.01 - EP US); **C04B 41/52** (2013.01 - EP US); **C04B 41/86** (2013.01 - EP US); **C04B 41/89** (2013.01 - EP US); **F16D 65/0025** (2013.01 - EP US); **F16D 65/123** (2013.01 - EP US); **F16D 65/125** (2013.01 - EP US); **F16D 69/02** (2013.01 - EP US); **C04B 2111/00362** (2013.01 - EP US); **F16D 2065/1316** (2013.01 - EP US); **F16D 2065/136** (2013.01 - EP US); **F16D 2065/1376** (2013.01 - EP US); **F16D 2065/1392** (2013.01 - EP US); **F16D 2200/0039** (2013.01 - EP US); **F16D 2200/006** (2013.01 - EP US); **Y10T 428/249928** (2015.04 - EP US)

Cited by

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DOCDB simple family (application)

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